

Q3

David

2019-03-11

```
library(knitr)
library(twitter)
consumer_key = "dOLrbYfXjbDo7f7IZ3MFFDF4E"
consumer_secret = "GKbWkDANMboESv0YwvSSZKWivvbIyEzhzZxroDIODYlthrK0Gz"
access_token = "1050995496381120513-8E1z4xtsUYmNTjTRZCRLN4WYMkJjyZ"
access_secret = "bAGtoWn9wR0EUKPybvr7yhK0FFaFJNRviV2LINV06pgRp"
setup_twitter_oauth(consumer_key, consumer_secret,
access_token, access_secret)
```

```
## [1] "Using direct authentication"
```

a.

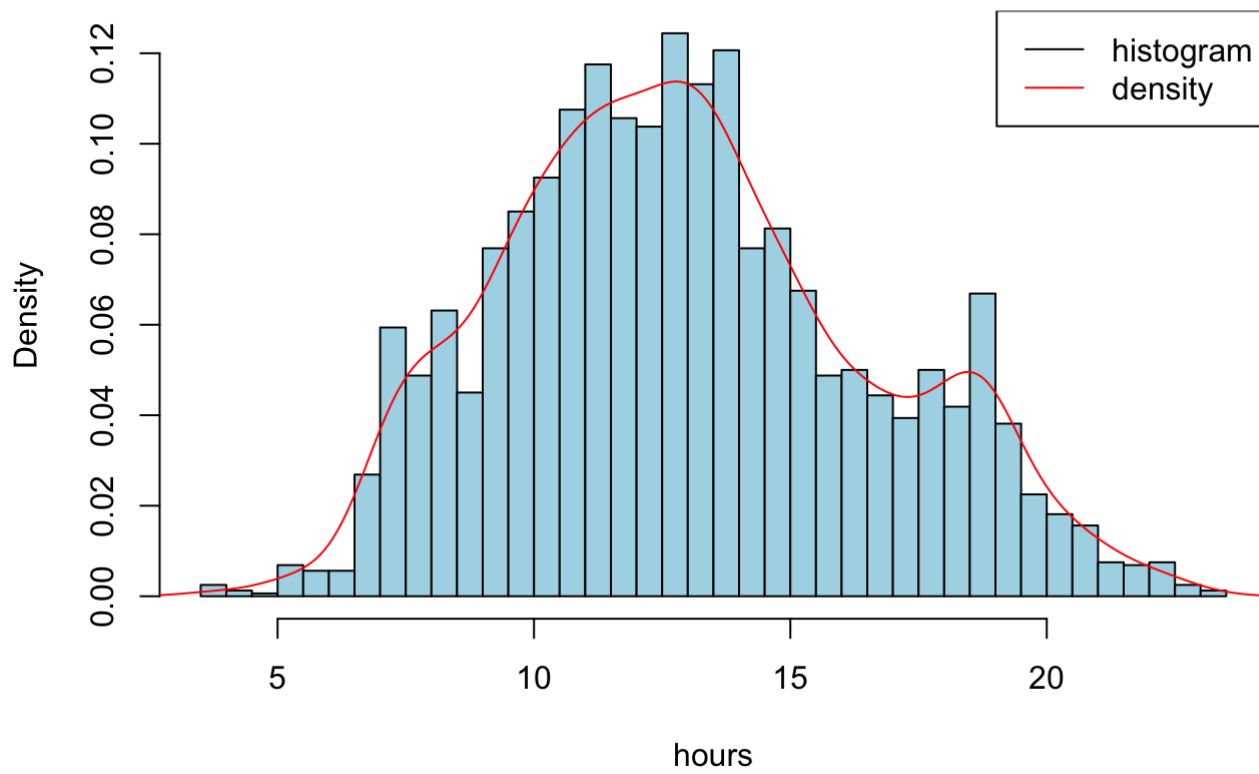
```
JS = userTimeline("theJagmeetSingh", n=3200, includeRts = TRUE)
JS = twListToDF(JS)
time=JS$created
time=as.POSIXct(as.integer(time), origin = "1970-01-01", tz = "US/Pacific")
time_hr=as.numeric(difftime(time, trunc(time, "days"), Sys.timezone(), "hours"))
time_hr[1:5]
```

```
## [1] 14.300556 14.103333 6.115833 21.037500 13.662500
```

b.

```
hist(time_hr,50,probability = TRUE, col="lightblue", xlab = "hours", main = "Distributio
n of time of tweets")
lines(density(time_hr), col=2)
legend(x="topright",lty = c(1,1),col =c(1,2),c("histogram","density"))
```

Distribution of time of tweets



Users most likely tweet in the afternoon.